METHOD OF DETERMINATION OF MASS DENSITY OF SUSPENSION VOLUME FLOW IN PLANT FOR CONCENTRATION OF ORES OR MINERALS (Versions) AND METHOD OF DETERMINATION OF MASS FLOWS FLOWING ON SIDE ON INLET AND FROM SIDE OF OVERFLOW OF HYDROCYCLONE IN PLANT FOR GRINDING AND CLASSIFYING WITH HELP OF HYDROCYCLONES

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concentration of ores and minerals. SUBSTANCE: quantity of flow from side of inlet of hydrocyclone is determined with help of measurement of power of pump driven by electric motor for supply of volume flow. In this case, rotation speed of pump is maintained constant. Measurement of mass density on side of overflow is performed with help of measurement of difference of pressures in measurement reservoir. Mass densities measured by offered method are used together with measured quantities of flow for calculation of mass flows on side of inlet and from side of overflow. EFFECT: higher efficiency of method due to considerable reduction of expenditures for determination of mass density by prompt determination of this value with help of minium economic measures and automatic control of the process on basis of results of measurements. 9 cl, 3 dwg